

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V96300958	Software:	BD FACSDiva 9.0
Input Device:	Carousel	Date:	10/10/2022 09:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/10/2022 09:13 AM
Cytometer Configuration:	Canto II Config 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 82158 **Expiration Date:** 08/31/2020 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125646	0	3.51	125801	3.42
Blue	F	SSC	125000	124609	-1	1.55	125289	1.52
Blue	E	FITC	20683	20117	-3	2.89	426	22.29
Blue	D	PE	34454	33920	-2	1.93	721	15.01
Blue	B	PE-Cy5	48076	47342	-2	4.28	1374	22.51
Blue	A	PE-Cy7	34574	34802	0	6.36	746	33.74
Red	C	APC	54895	55489	1	2.88	1798	13.80
Red	A	APC-Cy7	41657	41756	0	2.89	1222	12.84
Violet	B	DAPI	11284	10555	-7	5.08	670	13.81
Violet	A	AmCyan	44139	41950	-5	4.89	1029	13.57

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17259	20.11	581	16	N/A	N/A	Pass
Blue	F	SSC	57012	1.43	408	10	N/A	N/A	Pass
Blue	E	FITC	77	79.83	472	13	0.0185	449	Pass
Blue	D	PE	146	54.46	503	13	0.1764	353	Pass
Blue	B	PE-Cy5	245	58.41	646	17	0.0073	129	Pass
Blue	A	PE-Cy7	138	86.09	659	15	0.0150	28	Pass
Red	C	APC	402	29.84	683	12	0.0209	110	Pass
Red	A	APC-Cy7	258	31.45	534	9	0.0045	1172	Pass
Violet	B	DAPI	93	78.82	459	10	0.0805	7220	Pass
Violet	A	AmCyan	149	66.54	521	14	0.0218	7411	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.82	47.84 - 71.76	N/A	N/A	-30.31	-29.70	1.18
Blue	20.24	16.19 - 24.29	1.43	1.14 - 1.70	0.00	0.00	1.49
Red	15.42	12.72 - 19.08	N/A	N/A	27.71	28.22	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10110

Fluidics

FACSFlow Pressure: 4.50 Sample Pressure: 4.40
Spec.: 4.40 - 4.60

Comments